

# Product Datasheet

## Activin RIIA Antibody NB120-10595

Unit Size: 0.025 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NB120-10595****Activin RIIA Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.025 mg
<b>Concentration</b>	0.1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS and 5% Trehalose

<b>Product Description</b>	
<b>Host</b>	Goat
<b>Gene ID</b>	92
<b>Gene Symbol</b>	ACVR2A
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Mouse reactivity reported in scientific literature (PMID: 30759349).
<b>Specificity/Sensitivity</b>	This antibody has the ability to block receptor-ligand interaction. In ELISA assays, it will block 50% of the binding of recombinant human activin A to recombinant human activin receptor IIA/Fc chimera. The antibody demonstrates less than 2% cross-reactivity with recombinant human activin receptor I and recombinant human activin receptor IIB.
<b>Immunogen</b>	recombinant human activin receptor IIA expressed in Sf 21 insect cells.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Block/Neutralize
<b>Recommended Dilutions</b>	Western Blot 1:100-1:2000, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Block/Neutralize
<b>Application Notes</b>	ELISA: Use at a concentration of 0.5 - 1.0 ug/ml. WB: Use at a concentration of 0.1 - 0.2 ug/ml. Detects human activin receptor IIA at approximately 5 ng/lane under reducing and non-reducing conditions. Predicted molecular weight: 58 kDa. Not tested in other applications. Optimal dilutions/concentrations should be determined by the end user.

**Publications**

Lodberg A, van der Eerden BCJ, Boers-Sijmons B et al. A follistatin-based molecule increases muscle and bone mass without affecting the red blood cell count in mice FASEB J. Feb 13 2019 12:00AM [PMID: 30759349] (ELISA, Mouse)





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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